

ABSTRACT

The present invention relates to a flowmeter suitable for a micro flow sensor. The flowmeter of the present invention
5 comprises a resistive heater to be inserted into a fluid, AC power with a first frequency supplied to the resistive heater to periodically heat the resistive heater, a signal processing unit for detecting a first signal from the resistive heater in relation to a temperature variation of the resistive heater by
10 the AC power, and obtaining a phase lag of the first signal relative to the heat generation in the resistive heater, and an operation unit for calculating a flow rate based on the obtained phase lag. According to the present invention, the flowmeter of the present invention has a wide measurement
15 range and high measurement accuracy with a simple structure.